PATENT COOPERATION TREAT

	From the INTERNATIONAL BUREAU		
PCT	То:		
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE		
Date of mailing (day/month/year) 15 July 1999 (15.07.99)	in its capacity as elected Office		
International application No. PCT/US98/22577	Applicant's or agent's file reference 10461/002WO1		
International filing date (day/month/year) 23 October 1998 (23.10.98)	Priority date (day/month/year) 27 October 1997 (27.10.97)		
Applicant			
FAHEY, Robert, C. et al			
1. The designated Office is hereby notified of its election made. X in the demand filed with the International Preliminary. 27 May 1999 ()	r Examining Authority on: 27.05.99) national Bureau on:		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Diana Nissen

Telephone No.: (41-22) 338.83.38

\mathbb{PCT}

-	•-	-		-	 	 _	 _
٧	P	C)				

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 10461/002WO1	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. International filing date (day/month/year) Priority date (day/month/year)					
PCT/US98/22577	23 OCTOBER 1998	27 OCTOBER 1997			
International Patent Classification (IPC) Please See Supplemental Sheet.	or national classification and IPC				
Applicant THE REGENTS OF THE UNIVERSIT	Y OF CALIFORNIA				
Examining Authority and is 2. This REPORT consists of a	transmitted to the applicant act total of sheets.	seen prepared by this International Preliminary ecording to Article 36.			
been amended and are the (see Rule 70.16 and Sec	ne basis for this report and/or shee tion 607 of the Administrative In	ts containing rectifications made before this Authority.			
These annexes consist of a to					
3. This report contains indication	as relating to the following iter	ms:			
I X Basis of the repo	rt				
II Priority					
III Non-establishmer	nt of report with regard to nove	elty, inventive step or industrial applicability			
IV Lack of unity of	invention				
V X Reasoned statement citations and explain	nt under Article 35(2) with regar anations supporting such statemen	d to novelty, inventive step or industrial applicability;			
VI Certain documents	cited				
VII X Certain defects in	the international application				
VIII Certain observation	ns on the international application	n			
Date of submission of the demand	Date o	f completion of this report			
27 MAY 1999	14	FEBRUARY 2000			
Name and mailing address of the IDEA/	I I S Author	ized offices — 4.0			

RODNEY P. SWARTZ, PH.D.

(703)308-0196

Telephone No.

Facsimile No.

Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

In an application No.
PCT/US98/22577

L Basis of the	report		
This report has been	drawn on the basis		ich have been furnished to the receiving Office in response to an invitation
			and are not annexed to the report since they do not contain amendments).
X the	international ap	pplication as original	lly filed.
X the	description, pag	ges <u>1-72</u>	, as originally filed.
	pag	ges NONE	, filed with the demand.
	pag	ges NONE	, filed with the letter of
:	pag	ges	, filed with the letter of
X the	claims, No	os. <u>1-45</u>	, as originally filed.
			, as amended under Article 19.
	No	os. <u>NONE</u>	, filed with the demand.
	No	s. NONE	, filed with the letter of
	No	os	, filed with the letter of
X the	drawings, she	eets/ fig _1-16	, as originally filed.
			, filed with the demand.
			, filed with the letter of
			, filed with the letter of
x the x the	description, page claims, No drawings, sh	os. NONE	
			he amendments had not been made, since they have been considered in the Supplemental Box Additional observations below (Rule 70.2(c)).
4. Additional obs	servations, if nec	cessary:	
	م کیہ	, -	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

In onal application No.

PCT/US98/22577

v.	Reasoned statement under Article 35(citations and explanati ns supporting		ard to novelty, inventive step or industrial app ent	licability;
1.	STATEMENT			
	Novelty (N)	Claims	4-6, 8-11, 15-17, 23-42	YES
		Claims	1-3, 7, 12-14, 18-22, 43-45	NO
	Inventive Step (IS)	Claims	4-6, 8-11, 15-17, 23-42	YES
		Claims	1-3, 7, 12-14, 18-22, 43-45	NO
	Industrial Applicability (IA)	Claims	1-45	YES
	industrial ripplications (in t)	Claims	NONE	NO
	sufficient for said reagent to react with myco extraction for thiol analysis, page 1992). The actinomycetes, specifically mycobacteria. The various university medical centers (section Bact	othiol, and detection of samples used terial strains a	nycothiol in a sample by incubating a reagent (mBBR ecting said reaction of said reagent with mycothiol (the mycothiol is indicative of the presence of a member of the for detection of mycothiol were obtained as patient in and culture conditions, page 1991). Newton et al teach of mycothiol production in other bacteria (Table 1).	section Cell or of the taxa solates from
	Claims 4-6, 8-11, 15-17, and 23-42 meet the clairly suggest the production of and use of an		in PCT Article 33(2)-(4), because the prior art does not detection and/or quantitation of mycothiol.	ot teach or
	Claims 1-45 meet the criteria set out in PCT A	Article 33(4) fo	or industrial applicability.	
	NEW CITATIONS NONE			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

hal application No.

PCT/US98/22577

VII.	Certain defects in the international application		
		 	

The following defects in the form or contents of the international application have been noted: Claim 43 is objected to under PCT Rule 66.2(a)(iii) as containing the following defect(s) in the form or contents thereof: line 3, "myocthiol" should be "mycothiol" and "fluroescent" should be "fluorescent".



In onal application No.

PCT/US98/22577

Supp	lemental	Box
------	----------	-----

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): A61K 39/04, 39/40; C12N 1/12; C07D 277/62 and US Cl.: 424/164.1, 168.1, 248.1; 435/252.1, 253.1; 548/174; 554/101

حرك



Name and mailing address of the ISA/US Commissioner of Patents and Trademarks



Authorized officer LausenCula

09/530370

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/22577

			101/00/0/225	•
IPC(6) : US CL :	SSIFICATION OF SUBJECT MATTER A61K 39/04, 39/40; C12N 1/12; C07D 277/62 424/164.1, 168.1, 248.1; 435/252.1, 253.1; 548/17 o International Patent Classification (IPC) or to both		on and IPC	
B. FIEL	DS SEARCHED			
Minimum de	ocumentation searched (classification system followed	by classification sy	mbols)	
U.S. : 4	424/164.1, 168.1, 248.1; 435/252.1, 253.1; 548/174	; 554/101		
Documentat	ion searched other than minimum documentation to the	extent that such doc	uments are included	in the fields searched
	data base consulted during the international search (na DSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDI		-	e, search terms used)
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the re	levant passages	Relevant to claim No.
Y Y	SPIES, H.S. et al. Thiols of intrace Journal of Biochemistry. August 1994, entire document.		-	
X Furt	her documents are listed in the continuation of Box C	C. See pat	ent family annex.	
.v. q	pecial entegories of cited documents: comment defining the general state of the art which is not considered be of particular relevance	date and no		ernational filing date or priority lication but cited to understand e invention
"E" eo "L" do ci sp "O" do	urlier document published on or after the international filing date occument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other occial reason (as specified)	considered to when the do "Y" document considered combined w	novel or cannot be consider ocument is taken alone of particular relevance; the to involve an inventive with one or more other suc-	ne claimed invention cannot be seed to involve an inventive step he claimed invention cannot be a step when the document is the documents, such combination
·P· de	came ocument published prior to the international filing date but later than se priority date claimed	•	ous to a person skilled in nember of the same pater	
	c actual completion of the international search	Date of mailing of	the international se	earch report
11 DECE	EMBER 1998	인실 JAN 1999		